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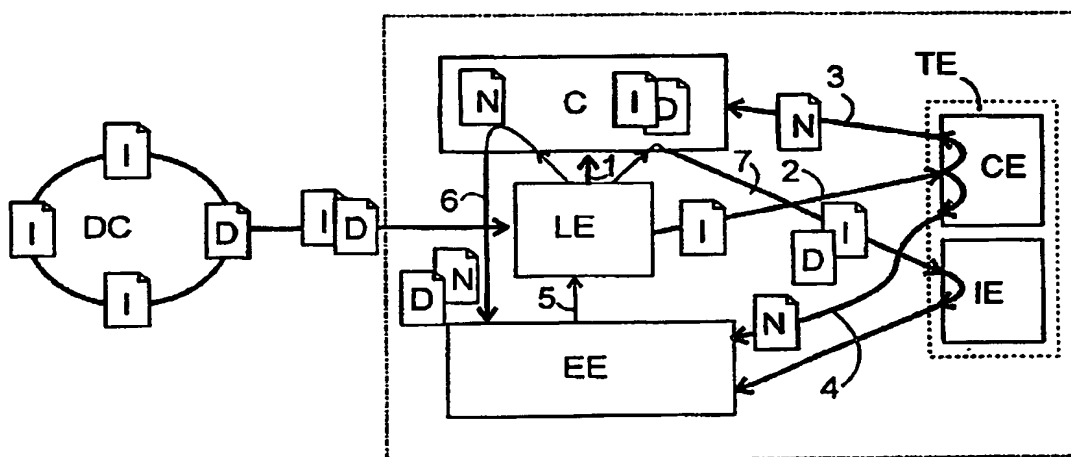
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- Declarations under Rule 4.17:**  
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designation US*  
— *of inventorship (Rule 4.17(iv)) for US only*

[Continued on next page]

(54) Title: A DATA PROCESSING DEVICE AND METHOD FOR INTERACTIVE TELEVISION



(57) Abstract: A programmable data processing device for a digital TV set-top box comprises: - a loading engine (LE) for receiving portions of code of a first type and/or data from a DSM-CC carousel (DC), - a storage means (C) for storing the portions received by the loading engine, - an execution engine (EE) for executing an application embodied by the received portions; and - a translating engine (TE) for translating the first type code into a native code of the execution engine (EE). The translating engine (TE) is adapted to compile at least a certain one of said received portions into native code and to store the thus compiled portion in the storage means (C), and to interpret other portions of code, and the execution engine (EE) is adapted to process compiled code and interpreted code within a same application.

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